



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/083,448	02/25/2002	Charles E. Perkins	089229.00123	6051
32294	7590	04/01/2008	EXAMINER	
SQUIRE, SANDERS & DEMPSEY LLP. 8000 TOWERS CRESCENT 14TH FLOOR TYSONS CORNER, VA 22182-2700			NALVEN, ANDREW L	
ART UNIT	PAPER NUMBER	2134		
MAIL DATE		DELIVERY MODE		
04/01/2008		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/083,448	Applicant(s) PERKINS ET AL.
	Examiner ANDREW L. NALVEN	Art Unit 2134

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 02 January 2008.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1,2 and 4-21 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1,2 and 4-21 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 25 February 2002 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date _____
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date _____
 5) Notice of Informal Patent Application (PTO-152)
 6) Other: _____

DETAILED ACTION

1. Claims 1-2 and 4-21 are pending.

Response to Arguments

2. Applicant's arguments filed 1/2/2008 have been fully considered and are deemed persuasive.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. **Claims 1, 2, 4-21 are rejected under 35 U.S.C. 102(e)** as being anticipated by Faccin et al US Patent No. 2002/0129844
4. **With regards to claims 1, 10-11, and 19-21,** Faccin teaches sending a random number to a mobile node wherein the random number is generated local to the mobile node, wherein the random number is generated by a base station (Faccin, paragraph

0037), generating a mobile node signature using the mobile node, wherein the mobile node signature is generated using the random number (Faccin, paragraph 0038), authenticating the mobile node to a network (Faccin, paragraph 0043) wherein the network is a general packet radio service network (Faccin, paragraphs 0001, 0002), authenticating the network to the mobile station (Faccin, paragraph 0053) wherein the authenticating the authenticating the network to the mobile node is performed in a single round trip while the mobile node is roaming (Faccin, paragraphs 0037-0053, Figure 1).

5. **With regards to claims 2, 12,** Faccin teaches sending the mobile node signature to an authentication server and verifying by the authentication server the mobile node signature (Faccin, paragraph 0043).

6. **With regards to claim 4,** Faccin as modified teaches generating an authentication signature by the authentication server and sending the authentication signature to the mobile node (Faccin, paragraph 0053).

7. **With regards to claims 5, 13,** Faccin as modified teaches the mobile station verifying the authentication signature (Faccin, paragraph 0053).

8. **With regards to claims 6 and 14,** Faccin teaches the authentication server being a home authentication server (Faccin, paragraph 0042).

9. **With regards to claims 7, 15,** Faccin teaches sending the mobile node signature to a local authentication server wherein the local authentication server is located in a foreign domain and forwards the signature to the home authentication server (Faccin, paragraph 0042).

10. **With regards to claims 8-9, 17-18,** Faccin teaches determining when the mobile node signature and authentication signature are not verified (Faccin, paragraph 0043, 0053).
11. **With regards to claim 16,** Faccin teaches the AAAH configured to send the authentication signature to the AAAF and the AAAF is configured to send the authentication signature to the mobile node (Faccin, paragraphs 0052-0053).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANDREW L. NALVEN whose telephone number is (571)272-3839. The examiner can normally be reached on Monday - Thursday 8-6, Alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kambiz Zand can be reached on 571 272 3811. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2134

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Andrew L Nalven/
Primary Examiner, Art Unit 2134